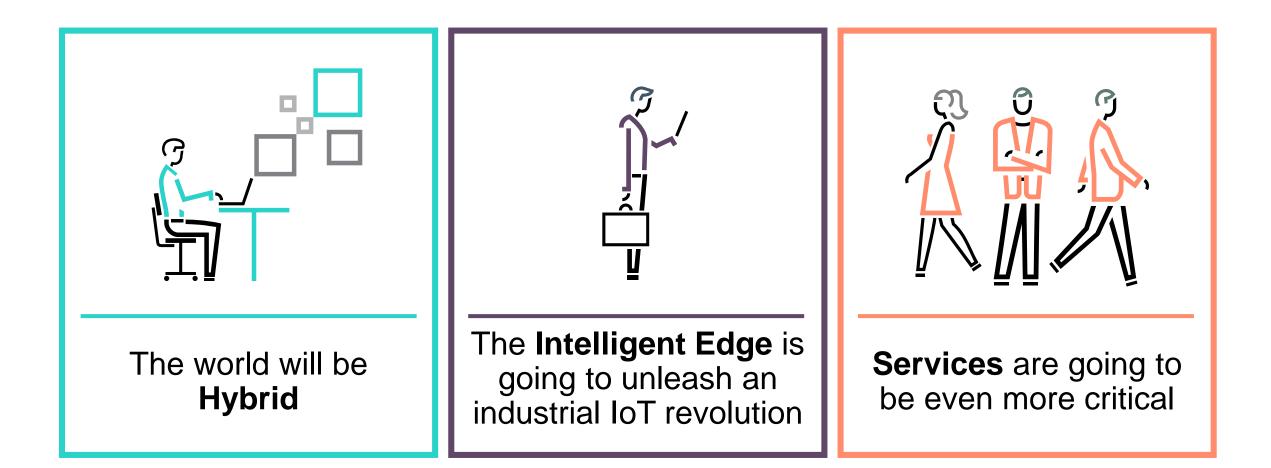
Accelerating possibilities Hewlett Packard Enterprise

Core beliefs

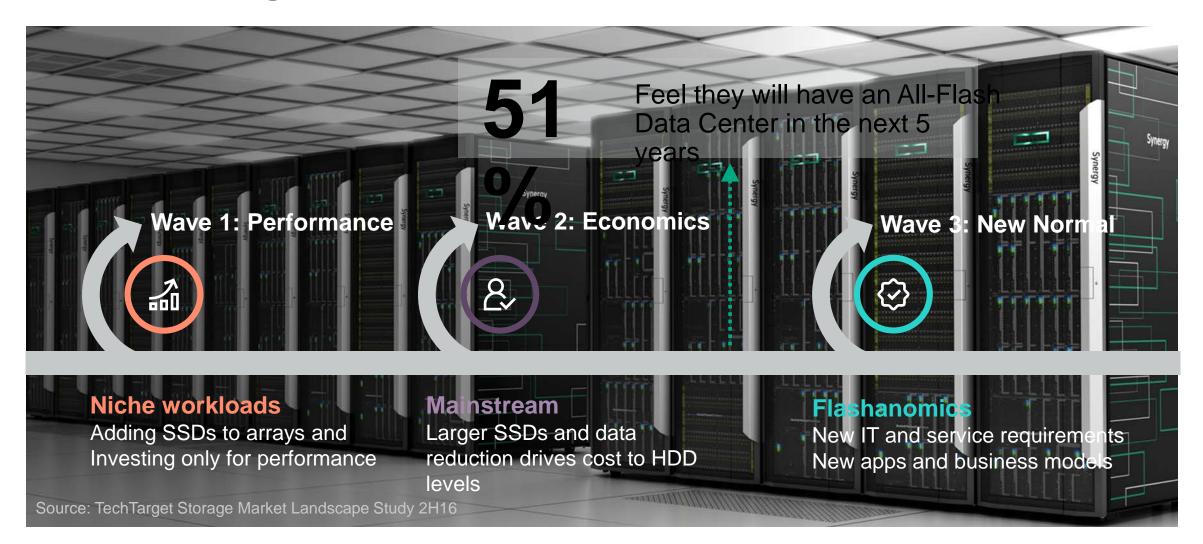




Realizing our vision

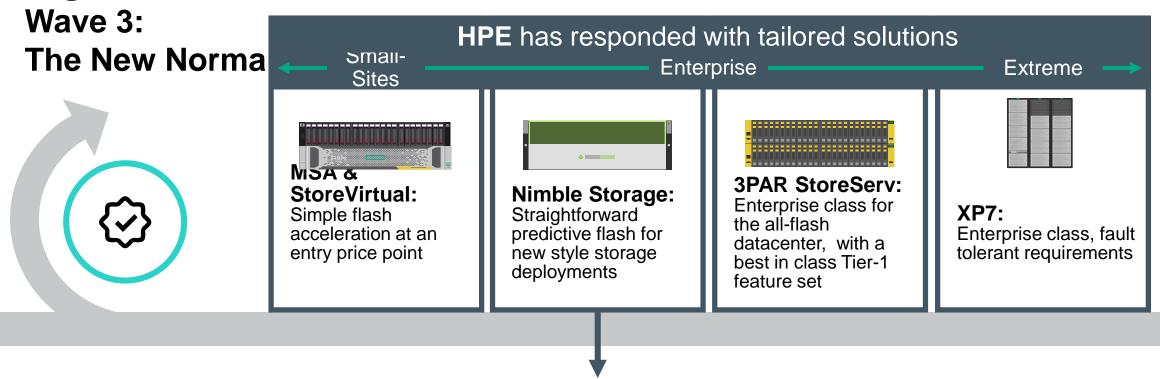
Organic Investments	Strategic Partnerships	Targeted Acquisitions	 Portfolio Optimization
 HPE Synergy Hyper Converged 380 solution Edgeline OneView Helion Cloud Platform HPE Pointnext 	 Microsoft Azure Docker Mesosphere Chef GE Digital National Instruments Arista Scality HP Inc. DXC Technology Micro Focus 	 Aruba Networks ConteXtream Rasa Networks SGI SimpliVity Cloud Cruiser Niara Nimble Storage 	 H3C deal TippingPoint sale Mphasis stake sale Spin-merger of Enterprise Services business with CSC Spin-merger of HPE's Software assets with Micro Focus*
HPE POINTNEXT	Microsoft Azure Chef MISTRUMENTS MESOSPHERE GE Digital Construction of the second se	SIMPLIVITY = niara KETWORKS CONTEXTREAM SGI.	TippingPoint CES/CSC HBC ES/CSC MPHASIS

We're entering the third-wave of the flash revolution





In Wave 3 Flash Requirements are Extending Across All Segments



- Brings flash optimized data services down market
- Leverage Infosight analytics across HPE storage portfolio
- Accelerate HPE market share growth and reach of Nimble Storage



New: 5th Generation HPE MSA starting with MSA 2050/2052

Serious flash storage. Don't let the simplicity and low cost fool you.



MSA 2050 Flexible Base Model



MSA 2052 Hybrid Flash Model

200,000 IOPS starting at under \$10K for affordable app acceleration

Flexible base model delivers 2x more performance than previous generation for the same price. Save 40% on hybrid flash model with all-inclusive software and 1.6 TB of SSD capacity included.

Hands-free data services with no experience required

Easy to install, easy to use, easy to maintain—no storage expertise necessary. Automated tiering dynamically responds to workload changes, so you don't have to.

Keep your business running with expanded data protection features

New virtualized snapshot technology makes data protection and instant recovery a snap. Remote replication with FC and iSCSI supports affordable disaster recovery.

Grow flexibly now and into the future

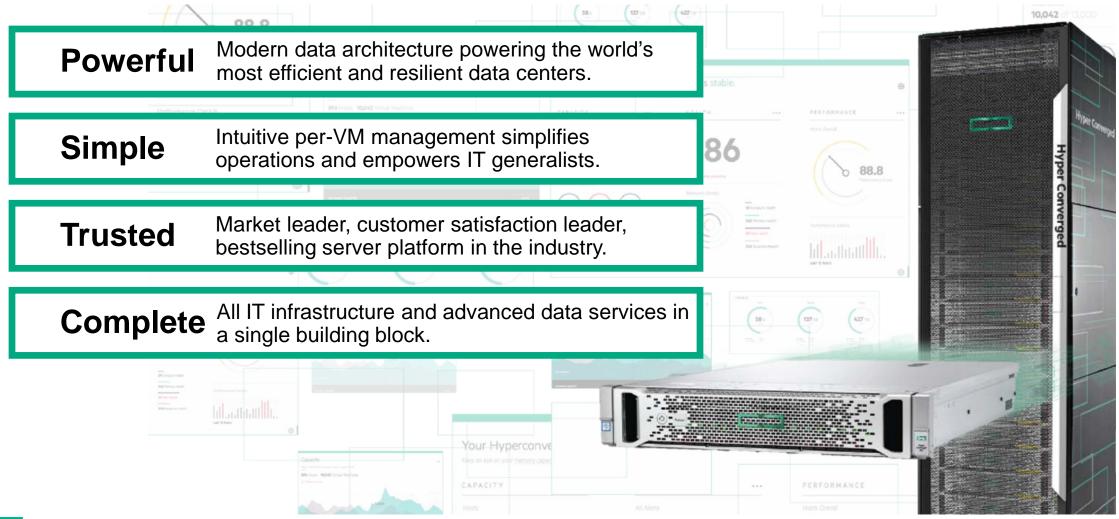
Data-in-place upgrades protect drive investments and eliminate data migrations Start small and scale as needed with any combination of SSD, Enterprise or Midline SAS drives

500,000 units deployed WW. Leading entry SAN platform for 8 years running.

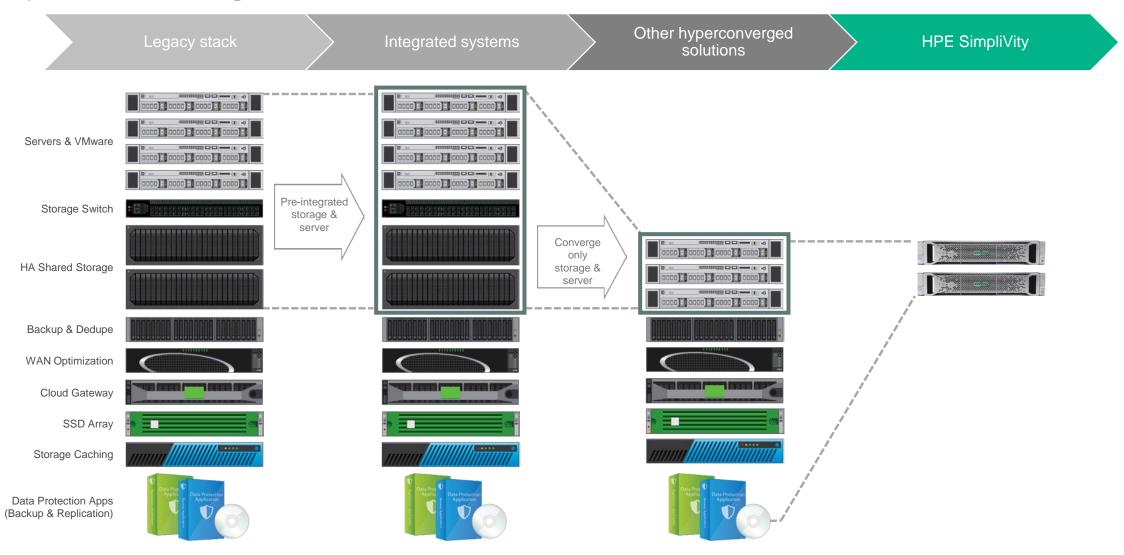


The HPE SimpliVity 380: Powerhouse Hyperconvergence

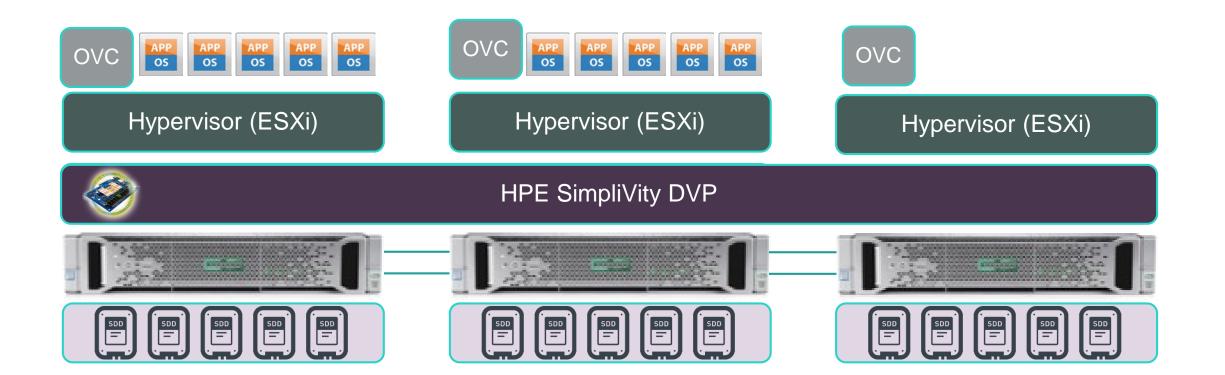
Best-in-class data services, running on the bestselling server platform.



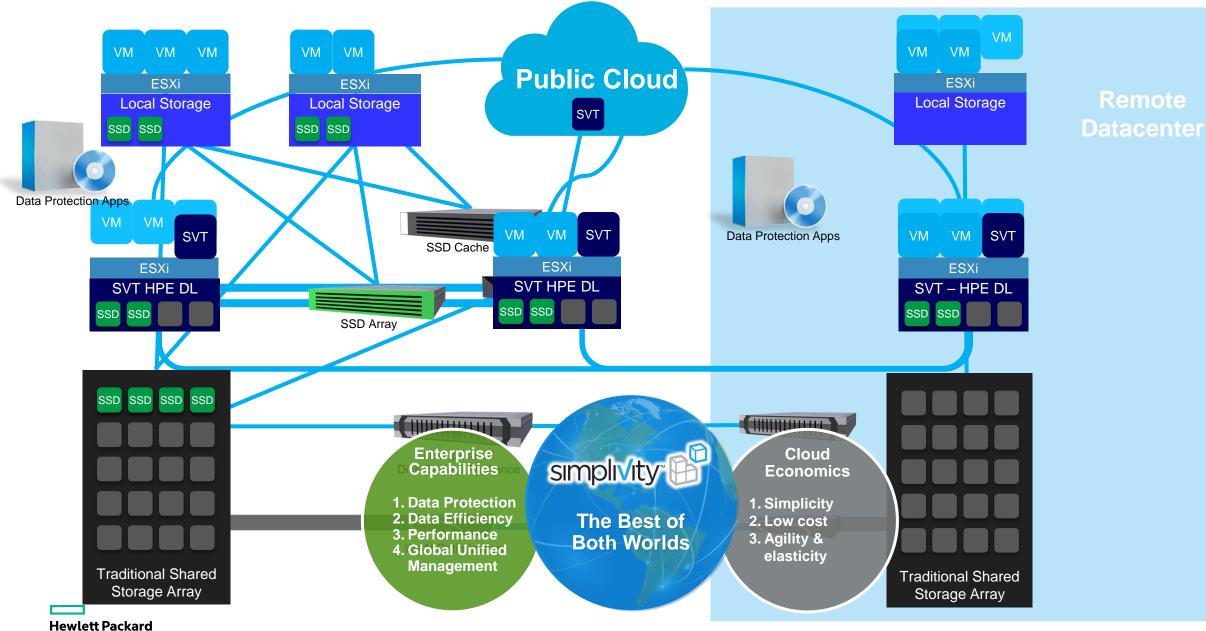
Hyperconvergence Defined



DL380 Basic Building block





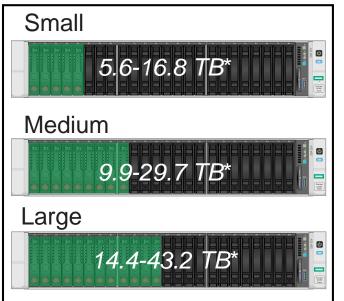


Enterprise

HPE SimpliVity Models



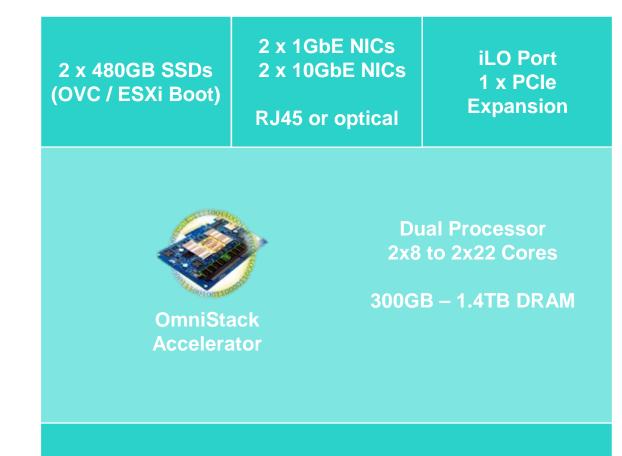




* Based on 1x to 3x primary storage efficiencies.

Actual customer results vary based on reduction capabilities of actual data

Hewlett Packard Enterprise



5, 9 or 12 x SSDs (1.92TB) RAID 5 (or) 6 (Shared Storage Pool)

HPE acquires Nimble Storage (17. April 2017)



Nimble Storage was founded in 2007 Headquarter in San Jose, CA



The Nimble Storage Portfolio

- entry to mid-range predictive flash storage and hybrid (adaptive) storage
- innovative InfoSight Predictive Analytics platform
- Cloud Ready



Nimble Storage

General Availability 5 June 2017

HPE announced the availability of several Nimble entry storage products in selected markets as of 5 June 2017.

We will be able to offer a subset of the Nimble portfolio, including:

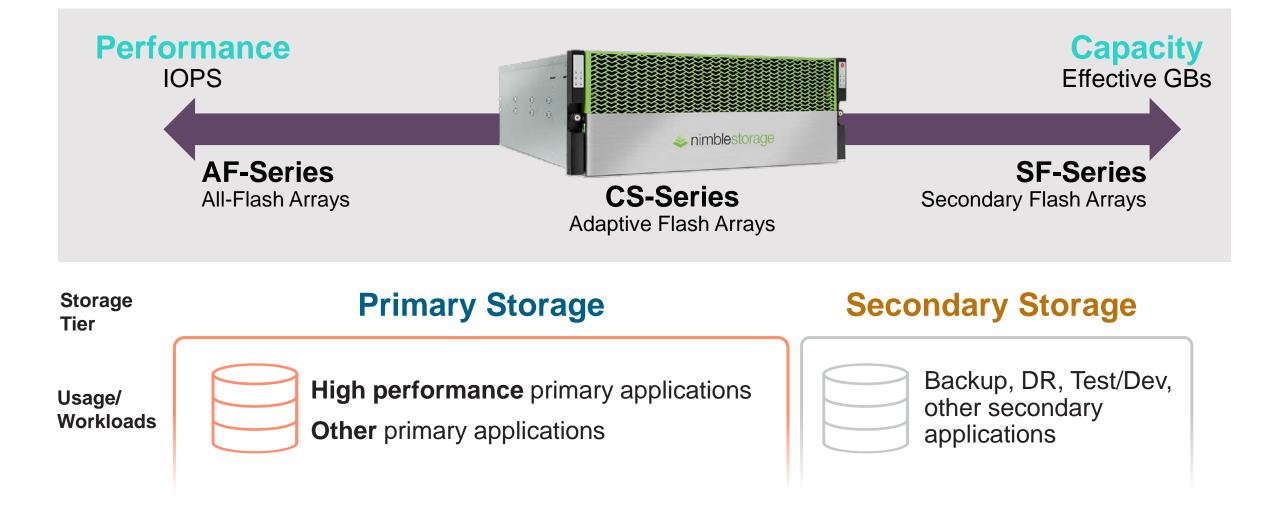
- ✓ AF1000 All Flash Arrays
- ✓ CS1000/H Adaptive Flash arrays
- ✓ SF100/SF300 Secondary Flash arrays





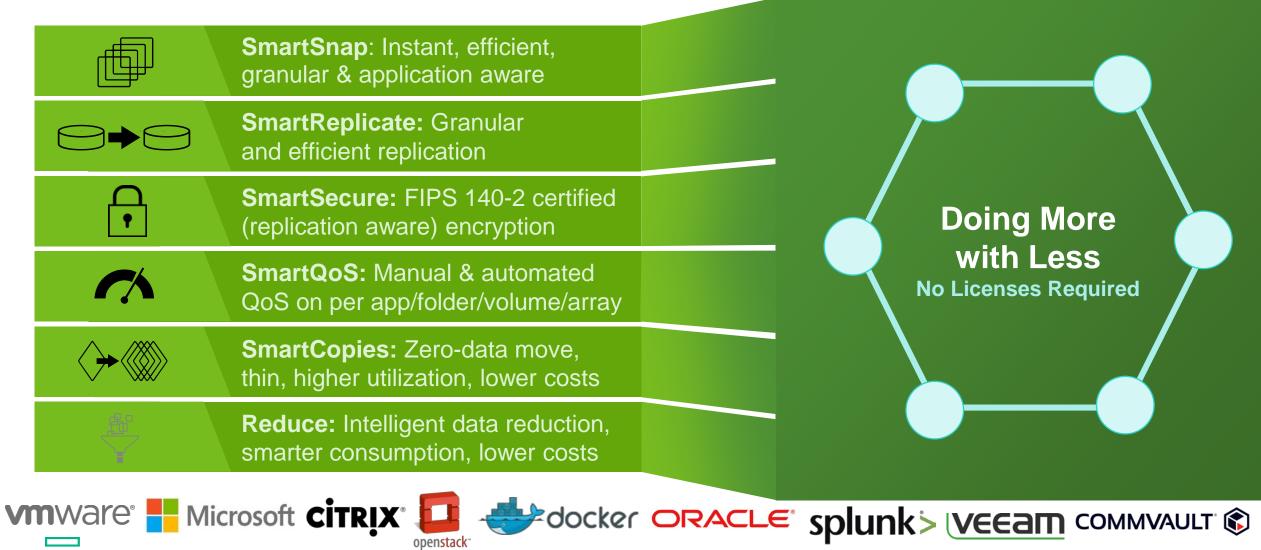


Nimble Product Line Comparison





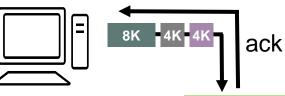
Leading Enterprise Level Data Protection & Efficiencies



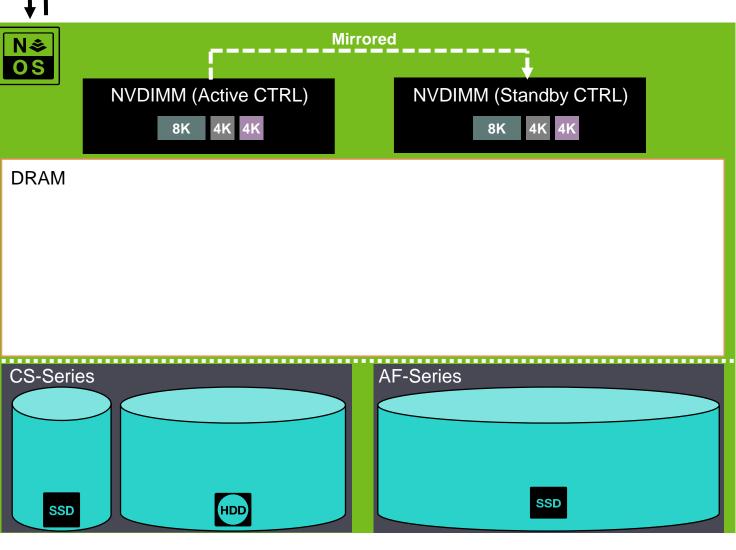
AF-Series Write Operations



CASL Architecture

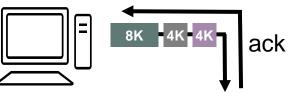


- 1) Writes are sent by a variety of applications in variable block sizes
- 2) CASL places incoming writes into the active controllers NVRAM
- CASL mirrors the active controllers NVRAM to the standby controllers NVRAM
- 4) CASL acknowledges the write

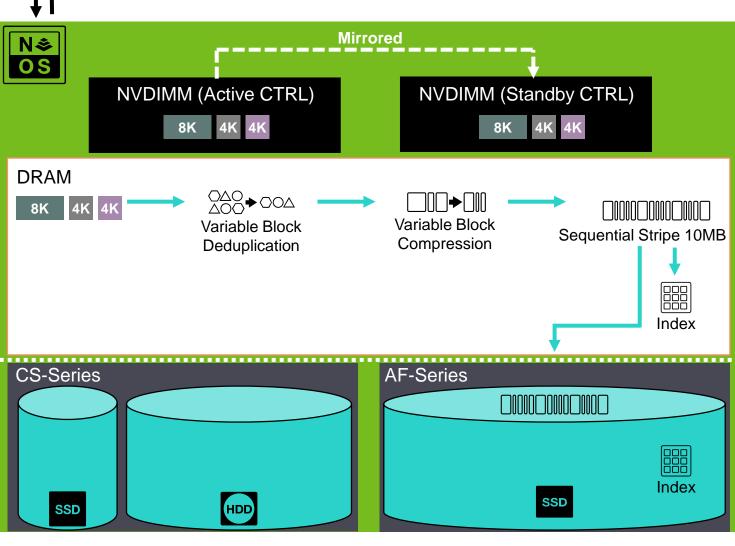




CASL Architecture

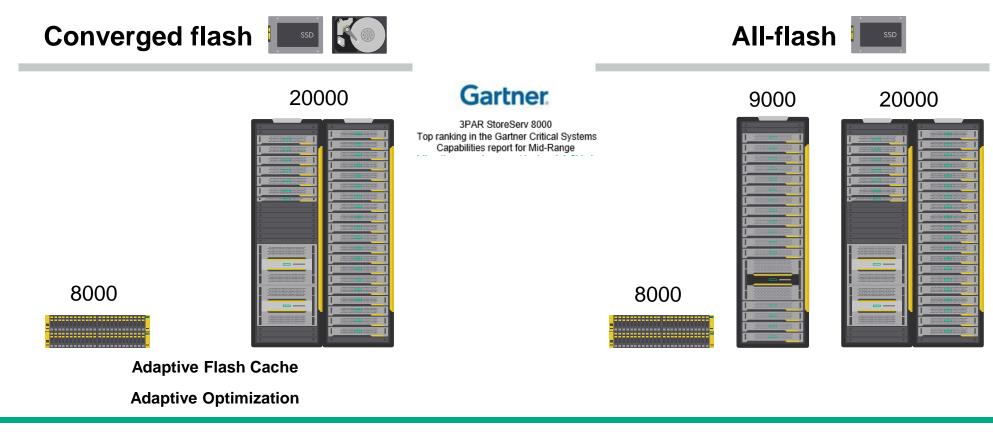


- 5) Blocks are copied into DRAM
 - a) What happens next depends of type of array
 - b) All-Flash Array
 - 1. Variable block deduplication is applied
 - 2. Variable block compression is applied
 - Blocks are formed into a 10MB sequential stripe write
 - 4. Blocks written to SSD and are indexed in DRAM





HPE 3PAR Storeserv - Flash with ultimate flexibility



Common Tier-1 Data Services



Adaptive Data Reduction Technologies



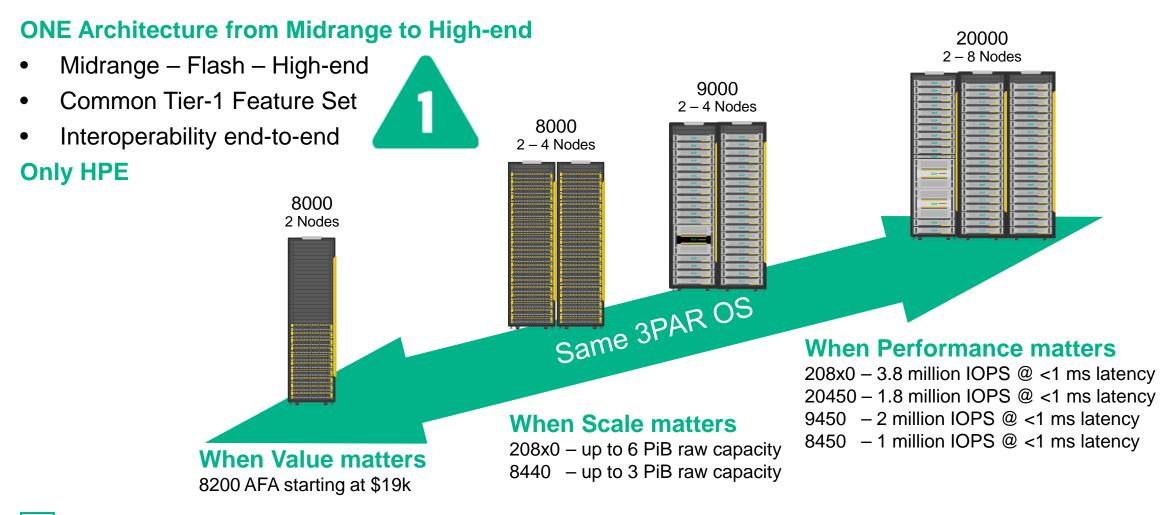
Storage Federation





Eliminating distinctions between Midrange and Tier 1

Polymorphic Simplicity – Storage without Boundaries



3PAR Industry Leadership

Best storage technology in the market – built for virtual environments

3PAR Federation Technologies

3PAR Converged Block, File and Object Access

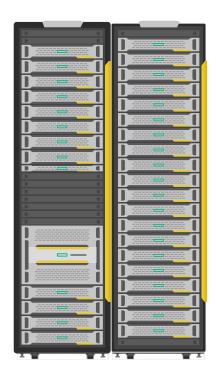
3PAR Adaptive Data Reduction Technologies (ADR)

3PAR Flash Optimization

3PAR Persistent Technologies

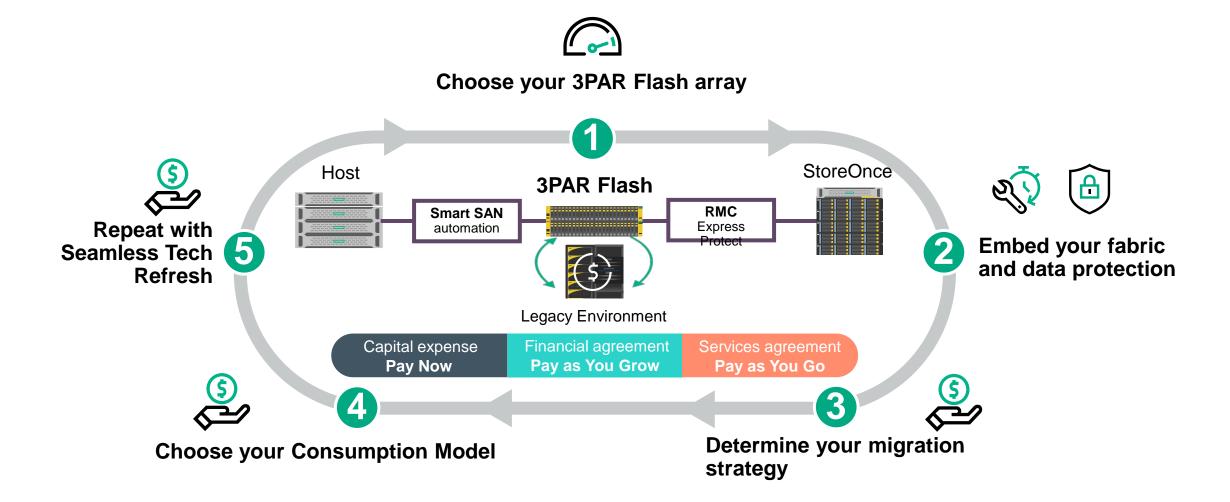
3PAR Mesh-Active Architecture







HPE 3PAR Flash Now Initiative





Hewlett Packard Enterprise

Thank You